

NAME OF WORK:- Package-5, includes 4
works of Rs.170 Lakhs 1)Reasphalting to
main and cross roads at B,Cand D Blocks of
Sahakaranagara in ward no 8 Kodigehalli
2)Improvements to Roads and Drains at
Devinagar and Lottegollahalli in Ward No 08
Kodigehalli 3)Improvements to roads and
drains at Balaji layout and Surroundings in
ward no 08 Kodigehalli 4)Providing and
Laying new Road at Sonnegowda Layout
and Surroundings in ward no 08Kodigehalli

(PMC Reports)

RUDRAPRASAD CONSULTANTS

Structural Engineers, Architects &
Project Management Consultants



To,

Date: 18-07-2019

ASSISTANT EXECUTIVE ENGINEER

VIDYARANYAPURA SUB DIVISION

BBMP

BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of PACKAGE-5, INCLUDES 4 WORKS OF RS.170 LAKHS 1)REASPHALTING TO MAIN AND CROSS ROADS AT B,CAND D BLOCKS OF SAHAKARANAGARA IN WARD NO 8 KODIGEHALLI 2)IMPROVEMENTS TO ROADS AND DRAINS AT DEVINAGAR AND LOTTEGOLLAHALLI IN WARD NO 08 KODIGEHALLI 3)IMPROVEMENTS TO ROADS AND DRAINS AT BALAJI LAYOUT AND SURROUNDINGS IN WARD NO 08 KODIGEHALLI 4)PROVIDING AND LAYING NEW ROAD AT SONNEGOWDA LAYOUT AND SURROUNDINGS IN WARD NO 08KODIGEHALLI

Ref: 1. Work Order No: BBMP/EE/BTP/WO/10/2018-19

2. Job code: 008-18-000032,008-18-000033,008-18-000034,008-18-000035.

We are herewith forwarding M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094. Second and Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs.12,36,129.51 /- (Rs. Twelve Lakhs Thirty Six Thousand One Hundred Twenty Nine and Fifty One Paise Only). First Part Bill for Rs.1,54,01,557/- was Previously submitted & the total bill amount submitted till date being Rs.1,66,37,686.51/-(One Crore Sixty Six Lakhs Thirty Seven Thousand Six Hundred Eighty Six and Fifty One Paise Only)

Thanking you,

Yours faithfully,

[Signature]
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore



For Rudraprasad Consultants

[Signature]

R. KARTHIK RECHAN

AUTHORIZED SIGNATORY
Rudraprasad Consultants

#3, 7th Main Malleswaram, Bangalore – 560003

Telefax: 9180 23444801, Mobile: 91 9972924526

Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

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Name of Client : EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION, ,BBMP, BANGALORE

Contractor/ Agency: M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Tender Contract Price Rs. 12,36,129.51/-

Date Of Inspection : 18-07-19

Status Of Bill : Second & Final Bill

In the Presence of : a) Assistant Engineer Vidyaranyapura Sub division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	Description of work	Comments/Observations
1	Removing and resetting of footpath slab and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
2	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory



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3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. and as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
6	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams.	Work done upto the Billed Quantity and the Quality is satisfactory



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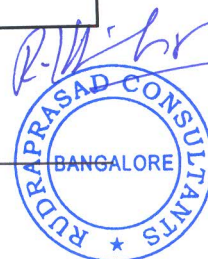


7	Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebtrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
8	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggretes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
9	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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10	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
12	Providing and constructing granite size stone masonry in foundation cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
13	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory



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14	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
15	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
16	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
17	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kgsqm using mechanical means complete as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory



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18	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
19	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
20	Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
21	Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory



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22	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
23	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc,. Complete. 10cms thick and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
E1	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Work done upto the Billed Quantity and the Quality is satisfactory
E2	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge	Work done upto the Billed Quantity and the Quality is satisfactory

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

